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ABSTRACT

Organic photosensitive optoelectronic devices ("OPODs") ~~are disclosed~~ which include an exciton blocking layer to enhance device efficiency. Single heterostructure, stacked and waveguide type embodiments ~~are disclosed~~. Photodetector OPODs having multilayer structures and an exciton blocking layer ~~are also disclosed~~. Guidelines for selection of exciton blocking layers are provided.

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